ASBESTOS

JUNE 1952

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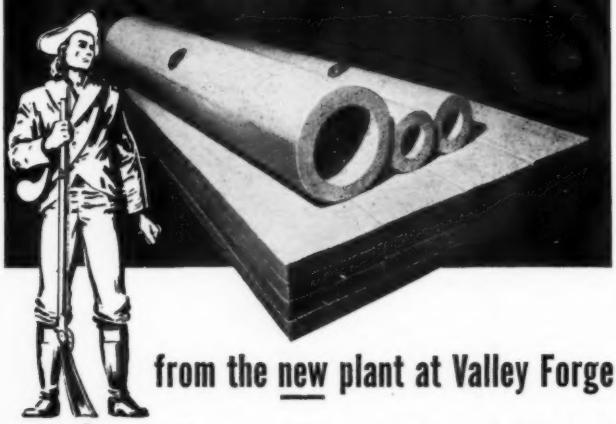

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Ehret Magnesia Manufacturing Company

VALLEY FORGE, PENNSYLVANIA

"ASBESTOS"

FOUNDED IN JULY 1919 AND PUBLISHED
MONTHLY SINCE THAT DATE

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PHILADELPHIA, 7, PENNSYLVANIA

Estate of C. J. STOVER, *Proprietor*

A. S. ROSSITER, *Editor* E. E. COX, *Circulation Manager*

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MILLING ASBESTOS ORE

This is the final installment of the article by W. E. Sinclair, M.I.M.M. (Consulting Mining Engineer). The first, second and third installments appeared in our March, April and May 1952 numbers.

Asbestos Mill Flowsheets

The complications of asbestos milling really include more problems and variations than almost any other ore-dressing plant. There are certain factors, however, that are constants and these may be enumerated as: length of fibre, percentage recovery, grit and dust in the final asbestos grades, and the economic aspect of treatment.

To prove this assertion it is safe to say that no two asbestos mills are alike in process or design. The general principle may be similar but the method of obtaining results generally varies considerably.

Other factors also have entered into the question of changing milling design. Not so many years ago, the small demand for short fibre grades was completely satisfied by the output from the Canadian Mines, where efficient milling led the world in the production of standardized grades, which were then, and still are, more acceptable to manufacturers than most other chrysotile asbestos. The competitive effort of Rhodesia, Russia and the Transvaal to produce chrysotile for the world markets was responsible for the introduction of hand-cobbing methods (when labor was cheap and plentiful)and the most simple form of milling, designed mainly to produce long fibre grades. This is illustrated in one example as shown on page 6 which depicts the flowsheet of the old Munnik Myburgh Asbestos (Kaapschehoop) Ltd. The original simple design was gradually extended to produce five different grades (including short fibre) of excellent quality asbestos without the aid of air suction and cyclones.

For other reasons, many of the Blue asbestos-mills in the Cape Crocidolite fields are designed and produce excellent grades of Blue fibre, without introducing methods of aspiration. In these mills more satisfactory results and an increased output has been proved possible by a simple

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system of secondary crushing in a series of crushing rolls and repeated screening thru large trommel screens. (A description of milling practice in this field is described in the paper "The production of Crocidolite in the Cape Province," Institution of Mining & Metallurgy, London, by the author).*

In milling Blue asbestos in the Pietersburg fields in the Transvaal a most simple design of plant is made possible because all ore is carefully sorted and knapped before being sent to the mill. In some cases, the selected ore is fed straight into hammer mills and after being passed thru a trommel and shaker screen the fibre is lifted off and delivered to cyclone and bagged, while the minus product from the screens is simply returned to the hammer mill for further treatment. Needless to say, the fibre recovered from a mill of this sort is neither graded nor classified and is mostly over-milled and gritty. The bigger producers are introducing certain refinements in milling design in order to produce cleaner, graded asbestos of both the blue and amosite varieties.

In Rhodesia and the Transvaal the large producers of chrysotile asbestos follow Canadian practice to a great extent. There is, however, a great difference in detail in almost every mill, indeed it is impossible to really describe these essential differences and one can only say that in general the principle follows the flow-sheet shown on page 10 of our March issue. In some cases there are additional auxiliary plants either for the production of long fibre grades or others for the special recovery of very short fibre.

The complex problems involved in the clean extraction of fibre under the varying conditions that may obtain, has resulted in the introduction of a great number of innovations in each and every mill, and each one differs from the next. Many mills have gradually grown to perfection by the removal or addition or both of various combinations of equipment which makes it quite impossible to

* See "Mining & Milling Blue Asbestos" by the author, in "ASBESTOS", July 1951.

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X
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XII

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definitely standardize. It can only be the result of wide experience in different circumstances that the best and most efficient design can be eventually found to give the desired results economically.

It goes without saying, that in every case good milling gives good asbestos which in turn commands the highest price and will always find an assured market.

Practical Aspects

It is strange that despite this very obvious reasoning in many of the newer asbestos propositions little serious study is given to plant design or milling technique, indeed sometimes even less attention is paid to efficient operating methods.

When a mill is situated in a wet or humid climate or wherever ore is delivered from the mine in a wet condition dryers are an essential part of the plant. In many mills, however, in dry locations, no dryers are provided because of low rainfall conditions and dry ore. Frequently it is in these mills that there occurs a serious increase in grit content and general deterioration in fibre grades because milling operations are continued during the occasional rainy periods. Simultaneously, there is an inevitable drop in output due to clogging and general mechanical inefficiency. It pays in these circumstances to shut down during wet weather. This always provides an excellent opportunity to give the plant an extra spring clean and complete mechanical overhaul.

In these days of extreme endeavor to produce record outputs the regular check-up of all units and cleaning and greasing of bearings is often disregarded at the cost of longer stoppage periods because of breakdowns.

The cleaning of screens and chutes not only insures better efficiency and cleaner fibre but it is an essential practice to maintain steady and smooth milling to enable a regular feed and flow of material thru the plant. An irregular feed lowers mechanical efficiency in crushers, rolls, mills and indeed in most plant units, also screening efficiency is seriously impaired if the flow of the mill feed is erratic.

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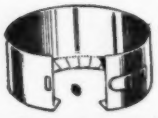
The size of screen openings and the speed of various crushing units and fans are factors that are generally settled and fixed in the original mill design so that in normal circumstances these important points are taken for granted. There are occasions, however, when a change in the physical character of the ore from the mine may call for modification of one or other of these plant conditions. Size of screening is an important factor and one that can rarely be changed without careful consideration, but the speed of revolution of plant units is one that requires constant attention and this applies more particularly to trommel screens. The correct adjustment of these can make an important difference in both the rate of flow of material and screening efficiency.

Plant design may include some form of cobbing magnet to lift out scrap iron, bolts, screws or other tramp metal in the fibre, but no such device has yet been designed to remove wood chips or similar foreign matter that may find its way into the fibre with the ore. It is only by careful sorting on belts or vigilance by millmen in the mill that such objectionable foreign materials can be removed.

In conclusion, it may be stressed that altho mill design is the first essential to obtain good results, the flawline must be flexible because of the presence of innumerable variables. Almost every mill is a law unto itself but each can be brought to efficiency. Operational control is a major factor since it is ultimately concerned with the efficient duty of the plant to extract the fibre in maximum lengths and of best quality.



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HALF MILLION SQUARE FEET OF MARINITE FOR THE S. S. UNITED STATES

The S. S. United States is to be the safest and most comfortable ship afloat. Important in this achievement are the Marinite Joiner materials developed by Johns-Manville. These asbestos materials are used exclusively for all of the accommodations including crew quarters as well as passenger areas. More than a half million square feet were installed.

Marinite is a rigid sheet material made of asbestos fibre combined with an inorganic binder. It comes in panels up to 4 ft. wide and 10 ft. long. Thicknesses vary from ½ in. to 1 in.

Of the many virtues combined in Marinite, the fire protection it offers is undoubtedly the most important. Even a small fire aboard a passenger ship is of serious concern. Unless immediately checked, it can become a catastrophe. The attendant smoke, flame and general confusion among those aboard contribute to the loss of life. The special Marinite of the type used on the S. S. United States successfully protects against this kind of development It will not burn. It comes through fire tests with strength intact.

Safety at sea has always been of grave concern, but it was the tragic Morro Castle disaster of some years ago that dramatically focused attention on the problem. Committees were set up to overhaul safety-at-sea regulations particularly those concerning fire hazards.

One of the first steps was to strip down an existing vessel which could then be used as a full sized laboratory for practical fire tests. The main deck was stripped clean. New rooms were erected using various materials or types of construction submitted by different manufacturers. Cord wood was placed inside the room and set afire.

By taking temperatures on the other side of the panels and deck overhead and by close observation, research men looked for the answers to these major questions. First. did the partition (bulkhead) remain intact thruout the fire. Second, was there a rise of temperature on the unexposed side sufficiently high to possibly start an adjacent

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fire. In other words, was the construction sufficiently rugged and possessed of enough insulating value to confine a fire to its point of origin.

Among the materials tested and approved for joiner bulkheads, linings and ceilings were the Marinites. This family of asbestos materials developed at Johns-Manville Research Center were still in the experimental stage at this time. However, their performance in these and subsequent tests promised so much for the future that they were soon put in production.

Marinite's launching, so to speak, was on a small island steamer that was reconditioned according to plans of Gibbs and Cox in 1936. This was probably the world's first complete fireproof passenger craft and, interestingly enough, the naval architects for this vessel are the same firm who designed the S. S. United States.

Since then, Marinite has become the standard joiner material for firesafe construction. Well over thirty million square feet of Marinite have gone into vessels of all types including small boats on inland waterways, as well as ocean going vessels. The half million square feet on the S. S. United States is the largest single marine installation and on this ship all the combined advantages of Marinite have been fully exploited.

The fire safety that Marinite provides is of first importance but its lightness of weight is a close second. This is of particular value on the S. S. United States since less weight is emphasized thruout the entire construction.

Marinite panels of standard finish for bulkheads weigh only 36 pounds per cubic foot. This weight is the most popular since it is adaptable to the whole range of marine building.

However, Johns-Manville research men were able to develop a Marinite of still less weight to meet special requirements on this particular ship. This is an example of the special developments to meet special situations that Johns-Manville research is able to provide. The lighter weight panels, of course, were produced without any lessening of the fire protection value of Marinite.

So far as installation is concerned Marinite is a great time and labor saver. Most of the sheets were delivered factory-cut to size by Johns-Manville. However, some on-

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the-job cutting was inevitable and the asbestos Marinite panels can be cut and shaped as readily as wood. Marinite can be sawed and drilled using conventional types of hand or power tools. Also, fixtures can be easily attached.

For the sake of variety most designers like to use a range of finishing effects for the cabins and public spaces and Marinite is adaptable to practically any decorative result. It can be painted. It can be furnished with a variety of veneers—metal, wood or plastics.

On the S. S. United States no wood or other combustible veneers were allowed. Most of the Marinite panels were faced with a thin gauge metal. This sheet metal was laminated to the Marinite by Johns-Manville then, after erection, the surface was coated with fire retardent paint to achieve attractive color variation. The finished interiors have an attractive modern appearance in keeping with the efficient overall ship design.

In addition to the installation advantages and the decorative possibilities of Marinite, there are two other valuable features that should be mentioned. One is compactness or space savings. The other is the role it plays in noise control.

The finished Marinite bulkheads (cabin partitions) are thin and have no protruding stiffeners. Thus the clean bulkhead lines offer utilization of space. Yet this relatively thin partition has, surprisingly enough, built-in resistance to the passage of sound. Also, Marinite resists drumming, a nuisance caused by ship vibration.

In other words, through the use of asbestos Marinite, passengers and crew on the S. S. United States can enjoy safety, attractive surroundings and reasonable freedom from irritating noises.

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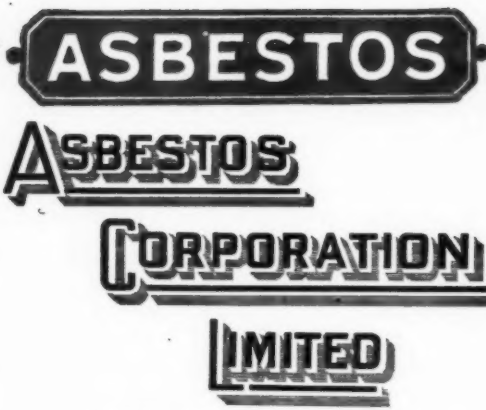

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One of the nation's largest privately-financed house building projects is using the new Colorbestos siding. This is the Levittown, Pa., development of Levitt & Sons where 16,000 homes will be built for employees of the U. S. Steel mill at Morrisville, Pa. Harold R. Berlin, Vice President, Johns-Manville Corporation, and General Manager of the Building Products Division, reports that Colorbestos has met with immediate acceptance from architects and builders and that the company is laying plans to start production at other J-M plants.

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MARKET CONDITIONS

GENERAL BUSINESS.

The general market situation continues spotty. Many manufactured articles and commodities are in such good supply that relaxation of many artificial controls is already occurring. A recent conference of purchasing agents showed a heavy preponderance of opinion looking for continued decline in prices and sales of most items, indicating that a minor "recession" of sorts is definitely in the making. Relaxing credit controls has not resulted in a stampede of consumers to buy hard goods and textiles are very slow in coming out of their serious recent slump. One good indication of the slowing sales in many lines is the statement of a large motor truck manufacturer that he is currently buying prime steel from warehouses at from 10 to 15 percent below ceiling prices. The same situation exists in many other lines.

ASBESTOS — RAW MATERIAL.

There has been no indication of any let up in the demand for asbestos fibre in grades from 3 to 5. It still appears that world demand equals or exceeds supply in these grades and has continuously over a period of several years.

While the releases of Groups 6 and 7 have shown a slight pick-up in the last month or two, the supply is at least slightly in excess of demand. This appears to be a fairly normal condition except in the periods of excess industrial activity.

ASBESTOS — MANUFACTURED GOODS.

Asbestos Textiles. A heavy market continues to exist with emphasis on asbestos cloth. Shipments of commercial and underwriters grades can be made in 4 to 6 weeks, but purer grades are backlogged 3 to 4 months.

Asbestos Paper. There is no backlog of orders as demand continues below ability to supply. Competition is extremely keen and every manufacturer is looking for business. The *Millboard* market is just about the same as paper. *Asbestos Saturated Paper* demand has picked up and while it does not equal production, is expected to con-

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tinue because of the amount of industrial work contemplated. There is a fair backlog of orders.

Insulation. High Pressure. The market is very spotty with an increased demand for Magnesia blocks within the past few months. Generally, the market holds up well, altho production is below capacity. Applied work continues highly competitive indicating no shortage of either materials or labor. The outlook is good but is more or less dependent on the progress of the defense program.

Insulation. Low Pressure. Rehandlers are cautious about inventories and this will continue until there is an improvement in the construction program. Production is about equal to orders being received. There is an optimistic viewpoint for improved conditions starting by the end of June.

Asbestos Cement Products. Demand has increased considerably for white and colored regular siding and is expected to remain active until the winter season, but the market is slow on roofing shingles.

There is no backlog of orders for corrugated as production still exceeds demand. It is believed orders will increase as proposed new industrial construction gets underway.

At present the market for A-C pressure pipe is relatively weak as compared with the past several months. Conduit demand is steady; flue and H. C. requirements are held down by reduced residential construction.

Asphalt Tile. Demand for Asphalt tile is increasing and industry sales are running about the record 1951 rate. It appears that sales for this year should slightly exceed last year's volume.

The above comments have been made by various informed executives in the Industry. All comments are welcome.

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(Department of Mines, Province of Quebec)

Tons 2000 lbs.

Production for March 1952	70,540 tons
Compared with March 1951	92,161 tons

Dominion Production for March 1952 is 72,059 tons, a difference of 1,519 tons from the Quebec figure.

Africa (Rhodesia)

(Published by Rhodesia Chamber of Mines)

Tons 2000 lbs.

Production for January 1952	5,845.06 tons
Valued at	£460,740
Production for January 1951	5,784.25 tons
Valued at	£381,709

Cyprus

(From Inspector of Mines)

	1st Quarter 1952 Tons—2000 lbs.		
	January	February	March
Rock Mined	...	153	278
Rock Treated	45	153	255
Fibre Produced	97	84	49
Fibre Exported	615	219	423

Imports into U. S. A.

Unmanufactured Asbestos—By Countries:	February 1952 Tons (2240) lbs.)
From Canada	43,728
S. Rhodesia	1,049
Union of S. Africa	907
So. B. Africa	117
U.S.S.R.	707
Other Countries	42
	46,550
Valued at	$4,928,044

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Imports into U. S. A. (Continued)

By Grades:	February 1952 Tons (2240) lbs.
Crude No. 1, Chrysotile, S. Rhodesia	132
Crude No. 1, Chrysotile, Other Countries	7
Crude No. 2, Chrysotile, Canada	39
Crude No. 2, Chrysotile, S. Rhodesia	378
Crude Other, Chrysotile, S. Rhodesia	539
Crude Other, Chrysotile, So. B. Africa	117
Crude Other, Chrysotile, Other Countries	15
Crude, Blue, Union of S. Africa	381
Crude, Blue, Other Countries	19
Crude, Amosite, Union of S .Africa	526
Textile Fibres, Chrysotile, Canada	1,554
Textile Fibres, Chrysotile, Other Countries	1
Shingle Fibres, Chrysotile, Canada	7,665
Paper Fibres, Chrysotile, Canada	5,342
Paper Fibres, Chrysotile, U.S.S.R.	707
Other Fibres, Chrysotile, Canada	29,128
	46,550

Manufactured Asbestos Goods:

Asbestos Yarn	February 1952 Quantity (lbs.)	Value
Canada	30,793	$ 22,984
United Kingdom	67,337	39,033
Asbestos Packing—Fabric	484	468
Asbestos Packing—Not Fabric	1,835	872
Asbestos Woven Fabric—Other		
Canada	9,230	12,660
Other Countries	7,875	5,026
Asbestos Brake Lining (Mld.)	412	193
Asbestos Cement Products (Impreg.)	1,306	218
Asbestos Cement Products (Not Impreg.)		
Canada	232,720	13,095
Mexico	400,783	25,505
Asbestos Shingles (Impreg.)	500	25
Asbestos Manufactures—Others	....	4,412
	753,275	$124,491

Exports from U. S. A.

(Figures by Bureau of Census)

Unmanufactured Asbestos:

	February 1952 Tons (2240 lbs.)	Value
To Europe	340	$ 97,480
South America	680	181,810
Other Countries	310	76,643
	1,330	$355,933

CANADIAN ASBESTOS FIBERS

THE NICOLET MINE
Norbestos (via Warwick)
Que.

Address Inquiries to:

NICOLET ASBESTOS MINES LIMITED INC.*

70 Pine Street

New York 5, New York

****One of the NICOLET Industries***

FAST
LOW COST WAY
For Cutting
ASBESTOS Products

Pictured is the cutting department of the Asbeka Asbestos Machining Corp., 113-53rd St., Brooklyn, N. Y. This progressive firm uses four Stone Saws for fast clean cutting of asbestos ebony, Transite and other asbestos products. Machine in center is cutting 2½" ebony for switchboard panels.

A Stone Saw can reduce your asbestos product cutting costs. You'll want to know more about the Stone Saw. Write today.

STONE MACHINERY CO., INC.
111 Fayette Street **Manlius, N. Y.**

Mundet Cork Corporation

Insulation Division, 7101 Tonnelle Ave., North Bergen, N. J.

Mundet district offices are located in these cities:

ATLANTA
339-41 Elizabeth St., N.E.

BALTIMORE 30
612 Battery Ave.

BOSTON
57 Regent St., N. Cambridge 40

CHARLOTTE 3, N. C.
507 S. Cedar St.

CINCINNATI 2
427 West 4th St.

DALLAS 10
601 Second Ave.

DETROIT 21
14401 Prairie Ave.

HOUSTON 1
Commerce and Palmer Sts.

INDIANAPOLIS 4
15 E. Washington St.

JACKSONVILLE 6, FLA.
800 E. Bay St.

KANSAS CITY 7, MO.
1401 St. Louis Ave.

KNOXVILLE
1221 Grand Ave.

LOS ANGELES
(Maywood): 6116 Walker Ave.

In Canada:
Mundet Cork & Insulation, Ltd., 35 Booth Ave., Toronto

NEW ORLEANS 16
315-25 N. Front St.

NEW YORK 17
331 Madison Ave.

PHILADELPHIA 39
856 N. 48th St.

ST. LOUIS 9
3176 Brannon Ave.

SAN FRANCISCO 7
440 Brannon St.

Exports from the U. S. A. (Continued)

Manufactured Asbestos Goods:	February 1952 Quantity		Value
Asbestos Pipe Cov. & Cement	Lbs.	492,695	$ 68,958
Asbestos Textiles & Yarn	Lbs.	28,042	40,457
Asbestos Packing	Lbs.	140,448	154,674
Asbestos Brake Lng. (Mld.&S.Mld)	Lbs.	503,163	521,125
Asbestos Brake Lng. Woven	Lin. Ft.	31,488	38,608
Asbesos Clutch Facings	No.	108,281	69,533
Asbestos Brake Blocks	Lbs.	38,197	43,735
Asbestos Construction Materials	Lbs.	3,737,531	280,154
Asbestos Manufactures—Others		....	71,092
			$1,288,336

Exports from Canada

(Published by Dominion Bureau of Statistics)

	February 1952 Tons (2000 lbs.)	Value
Unmanufactured Asbestos:		
Crude		
United States	51	$ 41,333
United Kingdom	....	....
South America	....	....
Central America & Mexico	....	....
European Countries	....	....
Other Countries	....	....
	51	$ 41,333
Milled		
United States	15,513	$2,505,909
United Kingdom	1,095	140,339
South America	1,719	314,706
Central America & Mexico	225	36,292
European Countries	2,969	441,932
Other Countries	694	83,112
	22,215	$3,522,290
Shorts		
United States	33,212	$1,638,084
United Kingdom	264	10,472
South America	1,074	79,085
Central America & Mexico		
European Countries	3,746	271,723
Other Countries	80	5,712
	38,376	$2,005.076
Grand Total—Unmanufactured Asbestos	60,642	$5,568,699
Manufactured Asbestos Goods:		
Brake Lining		$ 75,029

A NEW SOURCE

CHRYSOTILE ASBESTOS

CRUDE FIBRE

Produced in

CALIFORNIA and ARIZONA

YOUR INQUIRIES ARE INVITED

GLENN A. SMITH
and Associates

INTERNATIONAL MERCHANTS SINCE 1921

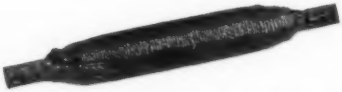
555 SO. ALEXANDRIA AVENUE • LOS ANGELES 5, CALIF.

Exports from Canada (Continued)

	February 1952 Ton (2000 lbs.)	Value
Packing		298
Other Materials		56,590
		$ 131,917

Imports into U. S. A.

	Year 1951 Tons (2240 lbs.)
Unmanufactured Asbestos—By Countries:	
From Canada	648,902
Union of S. Africa	20,379
Southern Rhodesia	7,021
U. S. S. R.	1,998
Bolivia	265
Br. E. Africa	143
So. B. Africa	636
Australia	278
Mozambique	457
Italy	21
Chile	25
France	10
Fr. W. Africa	89
Yugoslavia	15
United Kingdom	5
	680,244
Valued at	$58,521,046
By Grades:	
Crude No. 1, Chrysotile, Canada	113
Crude No. 1, Chrysotile, U. of S. Africa	189
Crude No. 1, Chrysotile, So. Rhodesia	605
Crude No. 2, Chrysotile, Canada	202
Crude No. 2, Chrysotile, U. of S. Africa	120
Crude No. 2, Chrysotile, So. Rhodesia	1,106
Crude, Other, Chrysotile, Canada	343
Crude, Other, Chrysotile, Bolivia	29
Crude, Other, Chrysotile, Br. E. Africa	143
Crude, Other, Chrysotile, U. of S. Africa	2,230
Crude, Other, Chrysotile, So. Rhodesia	5,163
Crude, Other, Chrysotile, So. B. Africa	636
Crude, Other, Chrysotile, U.S.S.R.	447
Crude, Other, Chrysotile, Italy	1
Crude, Blue, Bolivia	236
Crude, Blue, Chile	25
Crude, Blue, United Kingdom	5
Crude, Blue, Australia	278



We extend our thanks to the Insulating Industry for accepting our New Improved Spindle as a Novel Method for tying Hair Felt and other Insulation on Elbows and Various Fittings.

To these, that for some reason have not yet asked us for further information and free samples, again goes our invitation to write us.

We are sorry to delay some deliveries and in order to satisfy all the inquirers, we have now for a very low cost the winding machines for rent and you wind your own spindles.

The machine winds tighter for greater compactness and uniformity. Tapered ends keep twine from slipping off and unraveling. Beside that, the machine is a TIME, TEMPER and IRRITATION SAVER.

For rental terms and samples of spindles write to:

FRANK GRADISCHNIG CO.

3328 N. BARTLETT AVENUE **MILWAUKEE 11, WIS.**

ASBESTOS FIBRES

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Est. 1927

Fibras de Amianto **S. KLEIN** ***Amianto-Fibre***

15 Park Row

Fibres d'Amiante NEW YORK 38, N. Y., U. S. A. ***Asbest-Fasern***

Cables: Kleinexim

WE INVITE YOUR INQUIRIES FOR OFFERS

Les rogamos pidan nuestras ofertas
Sollecitiano richieste per offerte

Nous vous prions de nous envoyer vos demandes d'offres
Wir erbitten Ihre Offertanfragen

AMOSITES–BLUES
RHODESIAN CHRYSOTILES

— Importers —

PELLEW WILSON SONS & CO., INC.

111 BROADWAY **NEW YORK, N. Y.**

Imports into U. S. A. (Continued)

	Year 1951 Tons (2240 lbs.)
Crude, Blue, Union of S. Africa	4,881
Crude, Amosite, France	10
Crude, Amosite, Fr. W. Africa	89
Crude, Amosite, Mozambique	457
Crude, Amosite, Union of S. Africa	12,838
Crude, Amosite, So. Rhodesia	125
Crude, Amosite, U.S.S.R.	1,247
Textile Fibres, Chrysotile, Canada	20,056
Textile Fibres, Chrysotile, U. of S. Africa	62
Textile Fibres, Chrysotile, So. Rhodesia	22
Textile Fibres, Chrysotile, U.S.S.R.	295
Textile Fibres, Chrysotile, Italy	20
Textile Fibres, Chrysotile, Yugoslavia	15
Shingle Fibres, Chrysotile, Canada	93,231
Paper Fibres, Chrysotile, Canada	87,400
Paper Fibres, Chrysotile, U. of S. Africa	36
Other Fibres, Chrysotile, Canada	447,557
Other Fibres, Chrysotile, U. of S. Africa	23
Other Fibres, Chrysotile, U.S.S.R.	9
	680,244

Manufactured Asbestos Goods:

	Year 1951 Quantity (lbs.)	Value
Asbestos Yarn		
Canada	177,373	$ 134,591
United Kingdom	482,075	313,029
Belgium	1,380	1,431
Asbestos Packing—Fabric		
Canada	3,996	5,978
Norway	263	242
United Kingdom	7,770	6,259
Asbestos Packing—Not Fabric		
Canada	4,527	434
Norway	153	194
United Kingdom	21,263	12,463
Asbestos Woven Fabric—Other		
Canada	209,367	175,233
United Kingdom	50,744	36,014
France	124	76
Italy	360	598
Asbestos Brake Lining (Mld.)		
Canada	37,761	8,728
Mexico	65,215	18,688
United Kingdom	1,443	930
Germany	580	175
Italy	135	120

• BLUE ASBESTOS

The Cape Asbestos Company, Ltd., is the world's largest supplier of acid-resistant blue crocidolite asbestos, and the only manufacturer operating its own mines. Inquiries solicited on:

MILLBOARD **YARNS**
ROVINGS **POWDER** **CLOTHS**
PROCESSED FIBRES

Unexcelled for use in

ASBESTOS CEMENT PIPES

• AMOSITE ASBESTOS

This fibre owing to its great length and bulk is unrivalled for use as an insulating medium in:

Asbestos mattress filler
85% Magnesia Insulation

The CAPE ASBESTOS CO. **Limited**

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United States Sales Agent:

ARNOLD W. KOEHLER

415 LEXINGTON AVE. **NEW YORK CITY**

TELEPHONE—VANDERBILT 6-1477

Imports into U. S. A. (Continued)

	Year 1951 Quantity (lbs.)	Value
Asbestos Cement Products—(Impreg.)		
Canada	118,298	15,640
Denmark	2,083	175
Belgium	10,503	902
France	17,502	1,057
Asbestos Cement Products (Not Impreg.)		
Canada	5,707,086	299,135
Mexico	4,836,682	299,034
Cuba	121,089	6,217
France	2,403	116
Italy	1,444,678	78,611
Asbestos Shingles (Impreg.)		
Canada	12,949	1,233
Asbestos Shingles (Not Impreg.)		
Canada	150,184	6,236
Mexico	595,448	39,317
United Kingdom	18,951	1,057
Italy	58,793	2,018
Asbestos Manufactures—Others		
Canada	....	1,748
Cuba	....	1,599
United Kingdom	....	8,360
Netherlands	....	3,200
Belgium	....	1,130
Germany	....	145
Italy	....	204
		$1,482,317

AUTOMOBILE SALES

	April 1952
Passenger Cars	416,155
Motor Trucks	112,833
Motor Coaches	597
	529,585

In April 1951 a total of 639,272 motor vehicles were sold. In the four months of 1952 the total was 1,823,184.

These figures were supplied by the Automobile Manufacturers Association, New Center Building, Detroit, Michigan.

ACE ASBESTOS MANUFACTURING CO.

Importers, Exporters, Processors of Asbestos Fibres of All Varieties

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RAW ASBESTOS

for

Every Use

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CHRYSOTILE

AMOSITE

AMPHIBOLE FIBRES

originating in

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RUSSIA

CHINA

INDIA

RHODESIA

SOUTH AFRICA

●

Large Capacity Fiberizing and Grading Plant

451 Communipaw Ave. **Jersey City, N. J.**

NEWS OF THE INDUSTRY

BIRTHDAYS

E. B. Poulin, Sec'y, Treas., Asbestonos Corp. Lt.,., St. Lambert, Montreal, P.Q., June 20.

Kenneth Gray, Director, The Cape Asbestos Co., Ltd. 114-116 Park St., London W 1, England, June 21.

L. R. Leaver, Vice President, Thermoid Company, Trenton, N. J., June 21.

Harold W. Donnelly, Vice President, Norristown Magnesia & Asbestos Co., Norristown, Pa., June 22.

C. A. Schell, Vice President, Thermoid Company, Trenton, N. J., June 22.

W. H. Dunn, Treasurer, Raybestos-Manhattan, Inc., Passaic, N. J., June 22.

E. M. Bollaert, Vice President, Pacific Asbestos-Cement Products Corp., San Bernardino, Cal., June 25.

A. F. Moore, retired Manager, Asbestos Department, The Philip Cary Mfg. Co., Lockland, Cincinnati, Ohio, June 26.

Walter G. Cowan, Vice President & General Manager of Manufacture, The Rubberoid Company, New York, N. Y., June 26.

H. A. King, Manager, Asbestos Fibre Sales, The Ruberoid Company, New York, N. Y., June 28.

L. B. Palmer-Ball, President, Palmer Asbestos Company, Louisville, Ky., June 29.

Ernest A. Beldam, Director, Beldam Asbestos Co., Ltd., Hounslow, England, June 30.

Vincent W. Hemphill, Sec'y., Standard Asbestos Mfg. Company, Chicago 7, Ill., July 1.

S. E. Breuleux, Treasurer, The Philip Carey Mfg. Company, Lockland, Cincinnati, Ohio, July 6.

Charles S. Wood, Treasurer, Chas. S. Wood & Company, 27 Lombardy Place, Newark, N. J., July 6.

John D. "Scotty" Boyd, Vice President, Asbestos Fibres, Inc., Newark, N. J., July 7.

G. K. McKenzie, Secretary, The Flintkote Company, New York, N. Y., July 17.

O. C. Smith, President, Bell Asbestos Mines, Ltd., Thetford Mines, P. Q., Canada., July 7.

Capt. W. A. Janitch, R. E. Representative in Great Britain for Asbestos Corporation Ltd., London, England, July 10.

A. M. Ehret, Jr., President, Ehret Magnesia Mfg. Company, Valley Forge, Pa., July 11.

H. W. Prentis, Jr., Chairman, Armstrong Cork Company, Lancaster, Pa., July 11.

Irving McCormick, President, The McCormick Asbestos Company, 3620 Woodland Avenue, Baltimore 15, Md., July 13.

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Rubber and Asbestos

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ASBESTOS WASTE
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of selling the nation's roofing, siding and insulation contractors!

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New York 19, N. Y.

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Crocidolite
Amosite
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(PROPRIETARY) LIMITED

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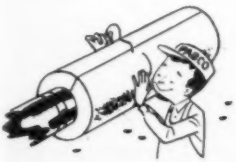
UNIFORM PRECISION

Dependable precision in heat insulation, to meet modern engineering demands! Pabco "Precision Molded" 85% Magnesia combines time-tested superiority with precision molding — close tolerances, controlled sizes, light weight, uniform texture!



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Thus, Pabco is faster to apply! Easier to lift, quicker to cut and score, simpler to embed tie wires! You get Precision fit—pipe sizes and blocks *molded* to exact size!

PABCO PRODUCTS INC.

INSULATION DIVISION

San Francisco 19 New York 16

Manufacturers of Heat Insulation since 1920

Alfred Carr, Oldest Living Pipe Coverer, San Francisco, Cal., July 14.

We extend congratulations and best wishes to all these gentlemen on the occasion of their birthdays.

JOHNS-MANVILLE COMPANY

Appoints

A. L. Fowler, St. Louis Assistant District Manager of the Johns-Manville Building Products Division, has been appointed Assistant to the Merchandise Manager of the Division with headquarters in New York City.

In his new responsibility Mr. Fowler will assist E. K. Clark Merchandise Manager of the Building Products Division.

A native of Minneapolis, Minn., Mr. Fowler joined Johns Manville's Boston sales office in 1916. Following service with the United States Army during World War I, he held sales posts in the Boston and St. Louis districts. He was promoted to Merchandise Representative in 1946 and since 1947 has been Assistant District Manager of the St. Louis Building Products district.

CHARLES UHR PASSES AWAY

Charles Uhr, formerly of Boston, Mass., died at his winter home in North Miami, Florida, at the age of 86. Mr. Uhr, who had been retired for some years, was known as the Dean of the Asbestos Industry in New England, having been connected with the Industry for over 60 years. He started in the business as a Pipe Coverer at the age of 18 and later became connected with the Nightingale & Childs Company, and Keasbey & Mattison Company, as Construction Superintendent. He was connected with the latter organization for over 35 years. In 1930, Mr. Uhr became President of the Standard Asbestos Covering Co., which was sold out to the Armstrong Cork Co. in 1942. He was retained by the Armstrong Cork Co. in an advisory capacity until his retirement. Mr. Uhr was well-known in the New England area for many years and his passing is regretted by his many former associates.

MAGNESIA-ASBESTOS INSULATION CO.

Elects New Officer

At the Annual Meeting of the Stockholders of the Magnesia-Asbestos Insulation Co., *D. James Dowling* was elected to the offices of Vice-President, Secretary and Treasurer to replace *Walter S. Lang* who resigned.

RAYBESTOS-MANHATTAN, INC.

Promotions

Norman Leeds, Jr. and *David E. Cunningham* have been named factory manager and advertising manager respectively. Mr. Leeds has been promoted from general sales manager which position he has held since 1945. Mr. Cunningham has just been released from Naval Reserve to which he was called in 1950. Prior to that time he was marketing supervisor.

WET MACHINE FELTS

FOR

ASBESTOS CEMENT PRODUCTS

ASBESTOS MILL BOARD

•

DRYCOR FELT COMPANY

STAFFORDVILLE, CONN., U. S. A.

INDUSTRIAL SERVICE COMPANY

Builders of

ASBESTOS CEMENT MACHINERY

Our experienced engineers and machinists offer the industry entire machines built to deliver maximum production.

Your Inquiries Are Invited

1-51 Paterson Avenue **E. Rutherford, N. J.**

JOHNS-MANVILLE
Elects New Director

W. C. Stolk, President of American Can Company, was elected a Director of Johns-Manville Corporation.

Mr. Stolk has been President of the can manufacturing firm since 1951 and was named Chief Executive Officer of that company in April 1952.

The election of Mr. Stolk to Johns-Manville's Board brings the total number of Johns-Manville Directors to eleven.

THE PHILIP CAREY MFG. CO.
New Manager For Cleveland District

W. E. Hess has recently been appointed Manager of the Cleveland District.

Mr. Hess, Assistant Manager of Carey's Pittsburgh District office since 1950, replaces G. B. Bodwell who has resigned to operate his own business.

Joining Carey in 1939 as Sales Representative in the Albany New York territory, Mr. Hess was soon assigned the position of Resident Manager of that territory.

CORRECTION:

In the April and May issues there was a typographical error in the telegraphic address in the African & European Agencies' ad. The correct address should read: "Euraf, Johannesburg".

CANADIAN JOHNS-MANVILLE CO., LTD.
New Location of Montreal Office

The office of Canadian Johns-Manville Co., Ltd., Asbestos Fibre Division is now located at 970 Sun Life Building, Montreal, Que., Canada.

SIMON COLLIER OF J-M ELECTED PRESIDENT
Of American Society For Quality Control

Simon Collier, Director of Quality Control, Johns-Manville Corporation, was elected President of the American Society for Quality Control at the Society's sixth annual convention.

Before joining Johns-Manville in 1923, Mr. Collier was employed by the Bureau of Standards in charge of the Rubber Division and has devoted much of his time with Johns-Manville in the development of the company's many rubber and synthetic products.

JOHNS-MANVILLE
Purchase New Claims

Karl V. Lindell, general manager of Canadian Johns-Manville Co's. asbestos fibre division, has confirmed the purchase of the Bird-Ginn group of claims in Garrison township from S. J. Bird, president of MacNamara Construction Company.

Mr. Lindell reports that diamond drilling has been completed but that the company had no plans for further development of the property in the immediate future.

ASBESTOS FIBRE

CHRYSOTILE **AMOSITE**

CAPE BLUE **BLENDS**

IN STOCK

We are specialists in blending and refining fibres for any type of work. Experience with many industries often shows exceptional results.

Your inquiries are invited.

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ASBESTOS FIBRES, INC.

56 CRITTENDEN ST., NEWARK, N. J.

HUMBOLDT 5-2372

JOHNS-MANVILLE CORPORATION

Annual Meeting

At the annual meeting of Johns-Manville Corporation stockholders on May 9th, L. M. Cassidy, Chairman of the Board, presented the over-all influences affecting the national economy, while A. R. Fisher, President, reviewed the company's operations for the past ten years and described the effect of present economic trends on Johns-Manville's activities.

Mr. Cassidy cited the translation of last year's public buying spree into a savings spree and the country's tremendous producing capacity as offsetting factors to inflationary pressures. He also said that due to slack retail demand, another round of price declines had replaced the price stability of the fourth quarter of 1951. Despite the fact that never before in our history have optional or postponable items represented so large a portion of the total output, the country's over-all economy should be very active because of record plant expansion, the defense program, our rapid population growth of about two million a year and considerable construction in the face of all obstacles.

In reviewing the company's progress during the past ten years, Mr. Fisher pointed out that in 1942 sales amounted to $108 million and, with minor variations, have continued upward with sales of $238 million in 1952. He also pointed out that much of the company's progress was due to the expansion, cost reduction and improvement program launched in 1945 and on which $88 million had been spent to date.

At the company's Jeffery asbestos mine in Quebec, Canada, the largest in the world, the underground mining facilities are being expanded to assure an adequate supply of asbestos ore for many years to come, and a new mill is being built at the mine. The company is continually exploring for new sources of asbestos fibre.

Some of the major projects Johns-Manville has completed within the last twelve months include new facilities for the manufacture of floor tile at the Waukegan, Ill., plant and a new calcining system which will increase production of J-M Celite (diatomaceous earth) products by more than 30 percent at Lompoc, Cal., where Johns-Manville owns and operates the world's leading deposit of diatomaceous earth.

This year's major projects include completion of a new product development building at the company's Research Center near Manville, N. J.; expansion of moulded packings facilities and modernization of equipment for the manufacture of high temperature insulations and providing additional facilities for the production of Flexboard and Corrugated Transite asbestos-cement products. As soon as it is possible to obtain the necessary materials, the company plans to expand its Toronto, Ontario plant and install another large Transite pipe machine to meet the increasing demands in Canada for this product.

INSULATION JOBS TAKEN-OFF AND ESTIMATED

For Reasonable Fee

Engineer (with 30 years' experience in all types of insulation work and with excellent contacts with the larger interests in New York Area)

Solicits inquiries from Approved and Independent Contractors thruout the United States for

Pipe, Boiler, Tower, Tank and Equipment Insulation jobs designed, engineered and purchased by *Public Utilities, Oil Refineries, Oil Refinery Builders, Large National Industrials and Shipyards*

A vast number of such jobs which are constructed at different locations in the United States are originated in the New York Area

An inquiry from out-of-town Insulation Contractors, to take-off and estimate Insulation jobs for projects located in their respective territories but originating from the New York Area will be appreciated.

As an additional service will follow and endeavor to close for those interested.

TRY THIS SERVICE—*You will be more than pleased—*

You will be delighted with the results.

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BANKERS:

Barclays Bank (D. C. & O.), Loveday Street South, Johannesburg.

Volkskas Limited, 76, Market Street, Johannesburg.

U. S. RUBBER COMPANY OPENS
New Office On West Coast

A yarn sales office to serve the states of California, Oregon and Washington has been established by United States Rubber Company's Textile division at 819 Santee Street in Los Angeles.

Hubert O. Fry, who has been in charge of the division's sales office in Reading, Pa., has been appointed manager of the new West Coast office.

Joseph B. Jackson will succeed Mr. Fry as manager of the Reading sales office.

W. Joseph McCarty has been transferred to Gastonia, where he will serve as manager of the sales office at that plant.

ARIZONA ASBESTOS PRODUCERS ASSOCIATION
Members and Mines Represented

The following are Charter Members of the Arizona Asbestos Producers Association: Louie Reyes, Seneca Mining Co.; Johnnie Mercer and Henry Brewer, Apache Asbestos Mine; D. W. Jaquays, Regal & Canadian Mines; Roger Q. Kyle, Kyle Asbestos Mines; George Kohl, Reynolds Falls Mine; Charles R. Neal, Charles R. Neal, Jr., R. A. McNabb and R. C. McNabb, Metate Asbestos Mines Co. Other members are: W. W. Sorsen and W. C. Williams, Sorsen & Williams Mining Company, and National Asbestos Company.

E. J. O'LEARY ELECTED DIRECTOR
The Ruberoid Co.

E. J. O'Leary, vice president and general sales manager of The Ruberoid Co., has been elected a director of the company.

Mr. O'Leary has been associated with Ruberoid for the past 21 years. Prior to becoming vice president in January 1951, he had held various responsible positions in the organization, including those of general manager of the Dallas district, general manager of the Mobile, Ala., district and sales manager of the Southern division with headquarters in Baltimore. Before joining Ruberoid he had been associated with Eternit, Inc., which in 1930 was acquired by Ruberoid.

JOHNS-MANVILLE
William P. Gibbons Promoted

William P. Gibbons has been promoted to Advertising Manager, Industrial Products, succeeding Howard T. Bain who has resigned because of health.

Since coming to Johns-Manville in 1934, Mr. Gibbons has held a number of responsible advertising posts including Manager of Shows and Displays and Assistant Advertising Manager, Industrial Products.

He is a member of the Board of Directors of the Exhibitors Advisory Council, the Publicity Committee of the Magnesia Insulation Manufacturers Association and the National Industrial Advertising Association.

The oldest independent South African House specialising in the export of Asbestos fibres

ASBESTOS

CHRYSOTILE **CAPE BLUE**
AMOSITE **TRANSVAAL BLUE**

All types and grades

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COLONIAL ASBESTOS CORPORATION LIMITED

Colonial Asbestos Corporation Limited are negotiating with Sandywatt Mining and Development Corporation with reference to a large group of claims situated in the north-west corner of Garrison Township, Larder Lake Mining Division, Ontario. This spot has lately become very active since Canadian Johns-Manville completed their drilling campaign on the Byrd group of claims tying on to Sandywatt on the south. It is rumored that one of the largest asbestos companies is about to start stripping on their proven major asbestos deposit in this section and that mill construction may get under way this year. Colonial are to give Sandywatt a 20% interest for the thirteen claims and have gone so far with their plans as to presently having a crew of men under the well known Geologist, E. L. Macveigh of Haileybury conducting a geophysical and magnetometer survey of the whole property. A pilot hole has been spotted a few hundred feet from the Johns-Manville Byrd option to prove up the assumed dip to the north, and it is expected a diamond drilling contract will be arranged in the near future.

INDUSTRIAL RESEARCH INSTITUTE, INC.
Election of Officers

At the 15th Annual Meeting of the Industrial Research Institute, Inc., New York City, the following officers were elected: Dr. Fred Olsen, President; Allen Abrams, Vice President; and C. G. Worthington was elected full-time secretary-treasurer. New members of the Institute board, were: L. B. Hitchcock, president National Research Laboratory, Inc. and H. G. Vesper, president, California Research Corporation.

Dr. Alsen is vice president for research and development of Olin Industries, Inc., of East Alton, Ill. Mr. Abrams is vice president of the Marathon Corporation of Rothschild, Wis.

UNION ASBESTOS & RUBBER CO.
First Quarter Report

Union Asbestos & Rubber Company has issued its report for the first quarter ending March 31, 1952. Detailed figures follow, with comparison figures for 1951.

	1952	1951
Earned per Share	$ .26	$ .32
Net Sales	$3,302,624	$2,530,778
Income Before Federal Income Tax	265,759	277,757
Income Tax Provision	138,195	123,741
Net Profit	127,564	154,016
Number of Shares (Less Treasury Stock)	475,176	475,176

FOR SALE
Corrugating rolls and air cell equipment.
MODEL SHOP, 606 Hagel Ave., Linden, N. J.

„ Tropag "

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Importers of
ASBESTOS - ORES - MINERALS

ASBESTON®
U. S. ROYAL FABRICS • TAPES
Light weight • High strength • Low gauge
Textile Division
UNITED STATES RUBBER COMPANY
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P.O. Box 4421 *Telegrams:* CLABON
BRANCH:
Providential Building
FORT VICTORIA, SOUTHERN RHODESIA
P.O. Box 150 *Telegrams:* CLABON
Mines at Mashaba and Filabusi

BUILDING

The 37 states east of the Rockies in April had construction contract awards aggregating $1,597,517,000, an increase of 21 per cent over March, and 16 per cent more than April 1951. According to F. W. Dodge Corporation, construction news and marketing specialists, the four-month 1952 total of $4,706,068,000 was 2 per cent lower than the comparative 1951 total.

Non-residential awards in April were $562,256,000, a gain of 21 per cent over March and 9 per cent more than April a year ago. Residential contracts were up 15 per cent over March and 15 per cent more than April 1951, with a total of $681,614,000. Public and private works and utilities at $353,647,000 were 33 per cent higher than March this year and April 1951.

Comparing four months 1952 with 1951 the following percentages of difference were shown: Non-residential awards, $1,684,612,000, down 10 per cent; residential, $2,008,490,000, down 5 per cent; public and private works and utilities, $1,012,966,000, up 22 per cent.

CURRENT RANGE OF PRICE

As of June 10, 1952

Arizona—	**Per Ton of 2,000 lbs., f.o.b. Globe, Arizona**		
No. 1 Crude	1,200.00	to	1,500.00
No. 2 Crude	900.00	to	1,000.00
No. 3 Crude	375.00	to	450.00
No. 4 Crude	425.00	to	475.00
Canada—	**Per Ton (2000 lbs.) f.o.b. Mine**		
Group No. 1 (Crude No. 1)	$1,100.00	to	$1,500.00
Group No. 2 Crude No. 2; Crude Run-of-Mine and Sundry	500.00	to	1,000.00
Group No. 3 (Spinning Fibre)	300.00	to	525.00
Group No. 4 (Shingle Fibre)	150.00	to	200.00
Group No. 5 (Paper Fibre)	100.00	to	140.00
Group No. 6 (Waste, Stucco or Plaster)			77.00
Group No. 7 (Refuse or Shorts)	35.00	to	70.00
Vermont—	**Per Ton of 2000 lbs. f.o.b. Hyde Park or Morrisville Vt**		
Group No. 3 (Spinning & Filtering)	321.00	to	348.00
Group No. 4 (Shingle Fibre)	156.00	to	173.00
Group No. 5 (Paper Fibre)	110.00	to	132.00
Group No. 6 (Waste, Stucco or Plaster)			78.00
Group No. 7 (Refuse or Shorts)	37.00	to	68.50

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FIBRES—all varieties supplied and processed to meet every specialised requirement

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JOHANNESBURG.

ASBESTOS STOCK QUOTATIONS

(These figures are compiled from the commercial & Financial Chronicle. No guarantee as to their correctness)

		May 1952		
	Par	Low	High	Last
Amer. Br. Shoe (Com)	np	38½	39¼	38¾
Amer. Br. Shoe (Pfd)	100	104¾	107½	107½
Armst. Ck. (Com)	np	51	53¼	51½
Armst. Ck. (Pfd)	np	97	98⅞	97½
Armst. Ck. (Conv. Pfd)	np	111	115	115
Asb. Corp. (Com)	np	22	23⅝	23¼
Asb. Mfg. Co. (Com)	1	1⅜	1⅜	1⅜
Carey (Com)	10	17¼	17⅞	17½
Celotex (Com)	np	18⅛	18¾	18½
Celotex (Pfd)	20	16¾	17	16¾
Certainteed (Com)	1	15	15⅝	15½
Flintkote (Com)	np	28¼	30⅛	29⅛
Flintkote (Pfd)	np	96	98½	97
Johns-Manville (Com)	np	69	75	74
Pabco Products (Com)	np	13⅛	14	14
Pabco Products (Pfd)	100	92	94	94
Ray-Man (Com)	np	41	42¾	43
Ruberoid (Com)	np	57¾	62	61
Thermoid (Com)	1	10	10⅜	10⅛
Thermoid (Pfd)	50	45¾	46¾	45
Union Asb. & Rub. (Com)	5	12⅛	12⅜	12¼
United Asb. (Com)	1	$2.75	$4.15	$3.25
U. S. Gypsum (Com)	20	110	116¾	116¼
U. S. Gypsum (Pfd)	100	177	179	179
U. S. Rubber (Com)	10	23¼	23⅞	23⅝
U. S. Rubber (Pfd)	100	139⅛	141½	141½

AVAILABLE

Expert with over 25 years' experience in the Processing, Grading and Blending of Waste and Virgin Fibre for the Acoustical and Shingle Industries, etc.

Address Box 6B-NJ, "ASBESTOS", 806 Western Saving Fund Bldg., Philadelphia 7, Pa.

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Wanted, by large national manufacturing organization, experienced man to manage a contract insulation operation, heat and cold, industrial and commercial work. Compensation—salary and profit sharing. Excellent opportunity to develop a large volume. Give complete information and details in your reply so an interview may be arranged.

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BRITISH BELTING & ASBESTOS LTD.

CLECKHEATON · YORKSHIRE · ENGLAND

London Office : 59, Southwark Street, S.E.1

AFTERTHOUGHTS

¶ The Jaquays Mining Company reports that their strike on soft fibre has been a large one but because of a large landslide it will take a month to run a tunnel to get inside the workings again.

¶ The Metate Asbestos Corporation has also made a large strike on soft fibre at their Apache mine. They are mining on a 23 degree incline and have opened up a considerable ore body at the 220 foot level.

¶ The New York Chapter of the American Institute of Chemists presented its Honor Scroll Award at its annual meeting on May 22, to Dr. Foster Dee Snell, president of Foster D. Snell, Inc. Dr. Gustav Egloff, Director of Research of Universal Oil Products Co., spoke on the subject "Foster Dee, As I Know Him".

W. E. SINCLAIR, M.I.M.M.
Consulting Mining Engineer
Specializing in asbestos production in
South and East Africa and Rhodesia
P. O. BOX 1183, JOHANNESBURG, S. A.

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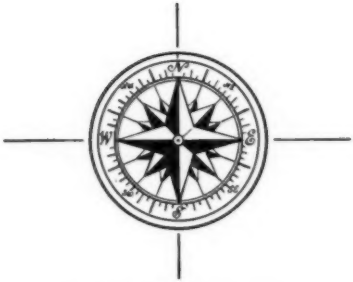

COMPASS

North, East, South or West, in every quarter you will find the many diversified asbestos products of Raybestos-Manhattan at work. Check up on these products over a period of time, and you will find they are all moving in the same direction . . . forward. Six great R/M plants with their research and testing laboratories continue to improve R/M products and develop new ones. Out of this experience R/M offers a unique service to all who are interested in asbestos and its commercial applications.

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Asbestos Textile Division • Manheim, Pa.

Factories: Bridgeport, Conn. • Manheim, Pa. • Passaic, N.J. No. Charleston, S.C. • Crawfordsville, Ind. • Canadian Raybestos Co. Ltd., Peterborough, Ont.

RM

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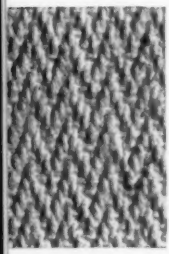
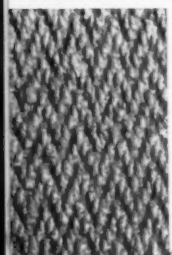
OUTHERN ASBESTO

HERRINGBONE CLOTH





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Made to prevent excessive ravelling; constructed for maximum resistance; smooth, closely-woven texture—all result in a stronger, more durable cloth. Write for Folder No. 1005.

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THREAD • CORD • YARNS • ROPE
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CARDED FIBRE • LISTING TAPE • WICKING

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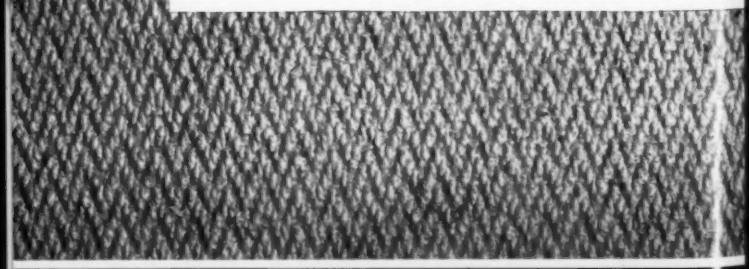
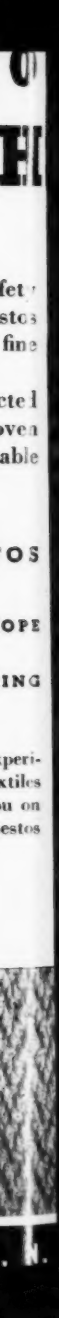
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